

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/002351

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> C07D401/04, A01N43/56, A61K31/4439, A61P33/02, 33/06, 33/10, 33/12, 33/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> C07D401/00-421/14, A01N43/00-43/56, A61K31/00-31/80, A61P33/00-33/14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CAPLUS (STN), REGISTRY (STN), WPI (DIALOG)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03/024222 A1 (E.I. DU PONT DE NEMOURS AND CO.), 27 March, 2003 (27.03.03), Claims; examples & EP 142725 A1 & AU 2002341819 A1 & KR 2004035857 A & BR 200212993 A & US 2004/0209923 A1 & MX 2004002648 A1 & JP 2005-502716 A & HU 200401893 A2 & ZA 200400413 A1	1-20

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search  
13 May, 2005 (13.05.05)

Date of mailing of the international search report  
31 May, 2005 (31.05.05)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03/015518 A1 (E.I. DU PONT DE NEMOURS AND CO.), 27 February, 2003 (27.02.03), Claims; examples & EP 1416796 A1 & EP 1417200 A2 & AU 200235951 A1 & AU 2002355952 A1 & KR 2004030069 A & HU 200401043 A2 & BR 200212187 A & JP 2004-538327 A & MX 2004001322 A1 & JP 2005-502658 A & CN 1541063 A & US 2005/0075372 A1	1-20
Y	WO 03/015519 A1 (E.I. DU PONT DE NEMOURS AND CO.), 27 February, 2003 (27.02.03), Claims; examples & EP 1416797 A1 & AU 2002355953 A1 & KR 2004030071 A & BR 200212023 A & US 2004/0198984 A1 & JP 2004-538328 A & MX 2004001320 A1 & JP 2005-41880 A	1-20
Y	JP 2003-528070 A (E.I. Du Pont De Nemours & Co.), 24 September, 2003 (24.09.03), Claims; examples & WO 01/70671 A2 & EP 1265850 A2 & AU 200150946 A & BR 200109757 A & KR 2002084234 A & HU 200300263 A2 & CN 1419537 A & NZ 520728 A & US 2003/0229050 A1 & MX 2002009207 A1 & ZA 200206148 A & US 6747047 B2 & US 2004/0142984 A1	1-20
Y	JP 11-240857 A (Nihon Nohyaku Co., Ltd.), 07 September, 1999 (07.09.99), Claims; examples & EP 919542 A2 & CZ 9803799 A3 & AU 9893292 A & ZA 9810677 A & HU 9802725 A2 & CN 1222506 A & BR 9805060 A & KR 99045504 A & US 6559341 B2	1-20
Y	JP 2003-176258 A (Ishihara Sangyo Kaisha, Ltd.), 24 June, 2003 (24.06.03), Claims & WO 2003/027059 A1 & EP 1428817 A1 & AU 2002332181 A1 & US 2004/0254237 A1	1-20
P, Y	WO 2004/067528 A1 (E.I. DU PONT DE NEMOURS AND CO.), 12 August, 2004 (12.08.04), Claims; examples (Family: none)	1-20



**INTERNATIONAL SEARCH REPORT**

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PCT/JP2005/002351

**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 21  
because they relate to subject matter not required to be searched by this Authority, namely:  
Claim 21 includes a process for controlling pests in the human body, that is, a process for treatment of the human body by therapy (PCT Article 17(2)(a)(i) and PCT Rule 39.1(iv)).
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.